



AC INDUCTION MOTOR DATA SHEET

Model No.or RFQ No.	Item No.	Rev. No.	[0]
Project Name	Project No.	Quantity	sets

GENERAL SPECIFICATION		PERFORMANCE DATA				
Frame Size	280LL	Rated Output	132 kW		175 HP	
Type	HS-132/6	Number of Poles	6			
Enclosure(Protection)	Explosion Proof (IP55)	Rotor Type	Squirrel Cage			
Method of Cooling	IC411(FC)	Starting Method*	<input checked="" type="checkbox"/> D.O.L		<input type="checkbox"/> Y- Δ	
Rated Frequency	60 Hz	Rated Voltage	440 V	380 V	220 V	
Number of Phases	3	Current	Full Load	209.6 A	242.7 A	419.1 A
Insulation Class	<input checked="" type="checkbox"/> F <input type="checkbox"/> B <input type="checkbox"/> H		Locked-rotor**	650 %		650 %
Temp. Rise at full load (by resistance method)		Efficiency				
at 1.0 S.F		80 deg. C		50% Load		95.0 %
Motor Location	<input checked="" type="checkbox"/> Indoor <input type="checkbox"/> Outdoor	75% Load		95.1 %		
Altitude	Less than 1000 meter	100% Load		95.0 %		
Relative Humidity	Less than 80 %	Power Factor(p.u)				
Ambient Temp.	40 deg. C (Max.)	50% Load		0.750		
Duty Type	Continuous (S1)	75% Load		0.851		
Service Factor	1.00	100% Load		0.870		
Mounting	<input checked="" type="checkbox"/> B3 <input type="checkbox"/> B5 <input type="checkbox"/> V1 <input type="checkbox"/> B3/B5	Speed at Full Load	1185 r.p.m			
Bearing	Type	Anti-Friction				
	DE/N-DE	NU320M / 6318C3				
	Lubricant	Grease(Gadus S2 V 100 2)				
External Thrust	Not applicable					
Coupling Method	<input checked="" type="checkbox"/> Direct <input type="checkbox"/> V-Belt	Moment of Inertia (J)				
Shaft Extension	<input checked="" type="checkbox"/> Single <input type="checkbox"/> Double	Load(Max.)		224.250 kg·m ²		
Terminal Box	Main	<input type="checkbox"/> Steel <input checked="" type="checkbox"/> Cast Iron	Motor		5.753 kg·m ²	
	Aux.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Sound Pressure Level (No-load & mean value at 1m from motor)			
Location		Refer to Outline Drawing				
Application		Vibration				
Area classification		Hazardous				
Type of Ex-Protection		Ex d II T4				
Applicable Standard		KS,IEC				
Paint		Munsell No.	4.0PB5.4/5.5(VL-451)			

ACCESSORIES	SUBMITTAL DRAWING				
	Outline Dimension Drawing \		Motor Weight(Approx.)		
	B3	GJ8XAP02	1250	kg	
	B5	0	0	kg	
	V1			kg	
	B3/B5	0	0	kg	
	Main T-Box Ass'y		3M-036962		

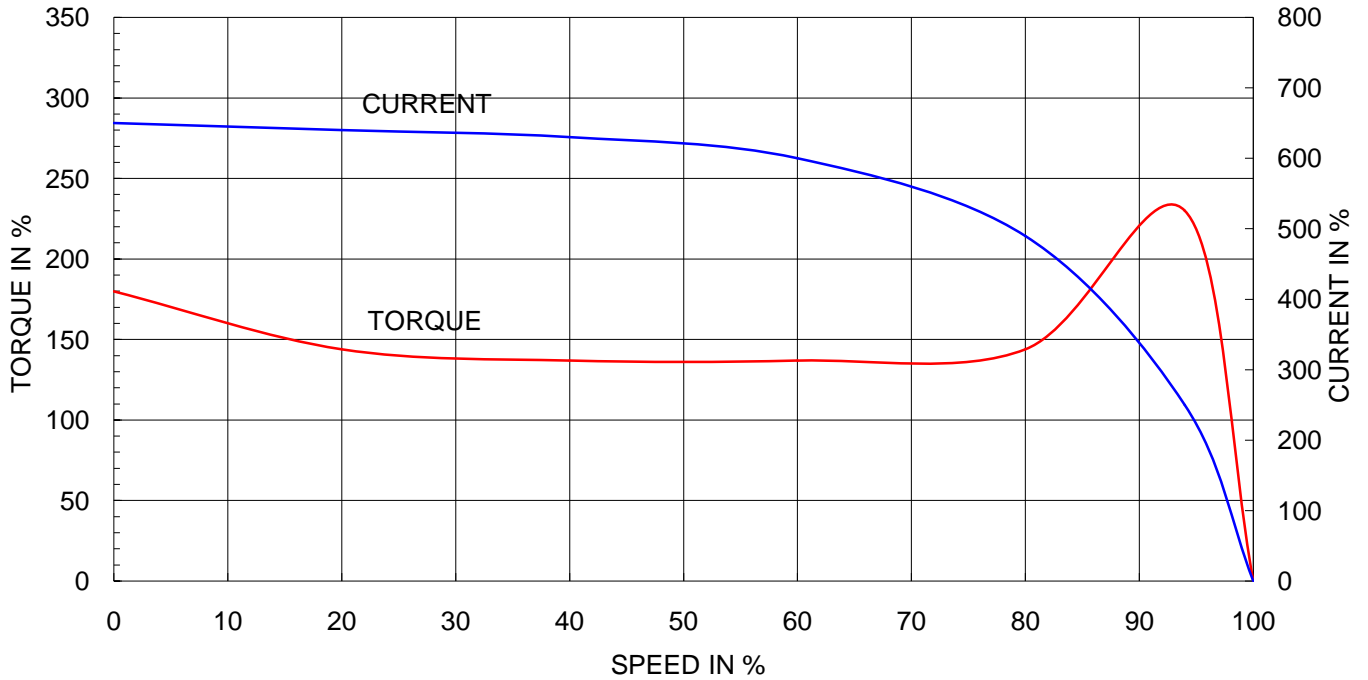
SPARE PARTS	REMARK				
	High Efficiency				
	Date	DSND	CHKD	CHKD	APPD
	2010-05-28	R.G. KIM	O.J. KIM	J.H. KIM	K.J. KANG

Note: Others not mentioned in this data sheet shall be in accordance with maker standard.
 Above technical data are only design values and shall be guaranteed with tolerance of applicable standard.
 Inspection and performance test shall be maker standard, if not mentioned.
 * In case of Inverter-Fed Motor, performance data is based on sine wave tests.
 ** Data is based on when the motor is supplied at rated voltage & frequency, and the data is expressed as a percentage of full-load value.

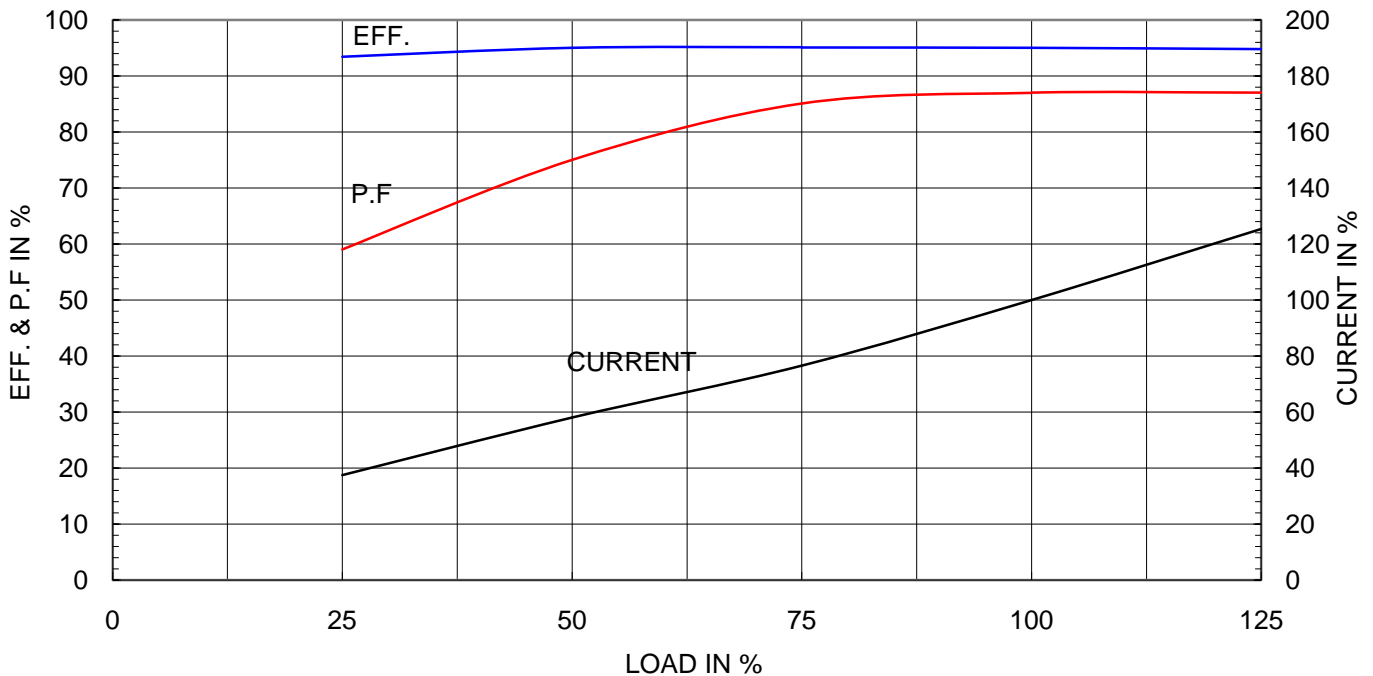
Type	:	GHB280L
Full Load Torque	:	108.5 Kg.m
Motor moment of Inertia (J)	:	5.753 Kg.m ²
Load moment of Inertia (J)	:	224.250 Kg.m ²

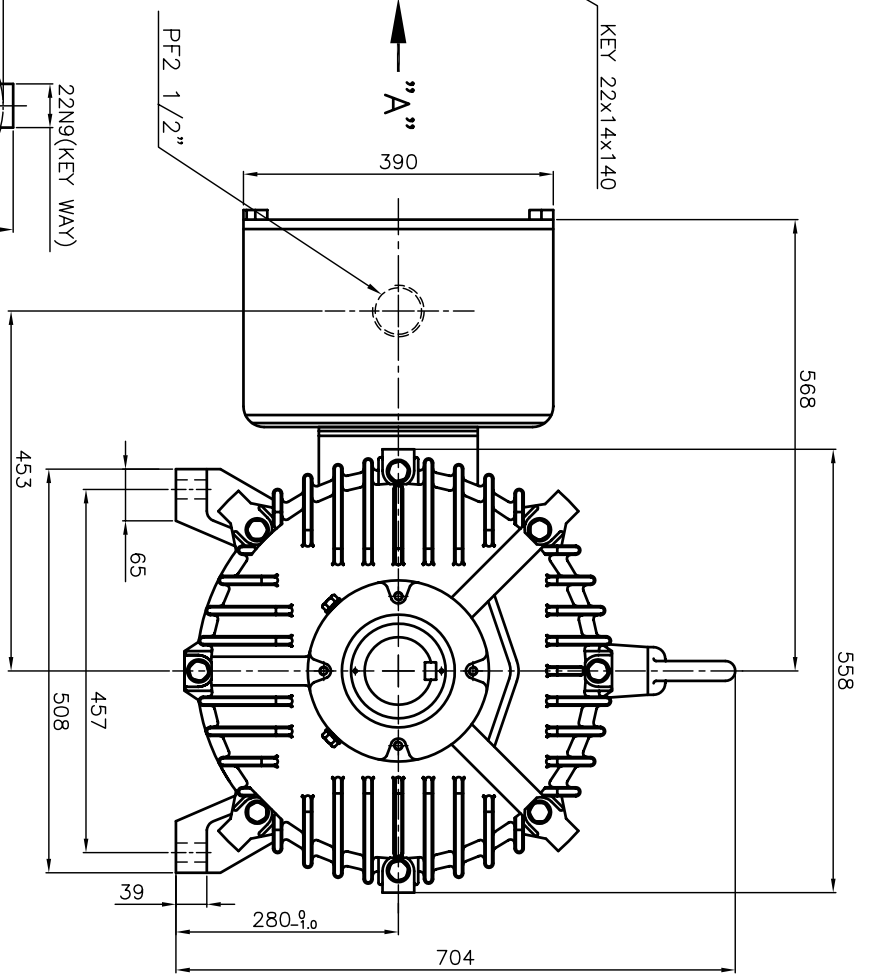
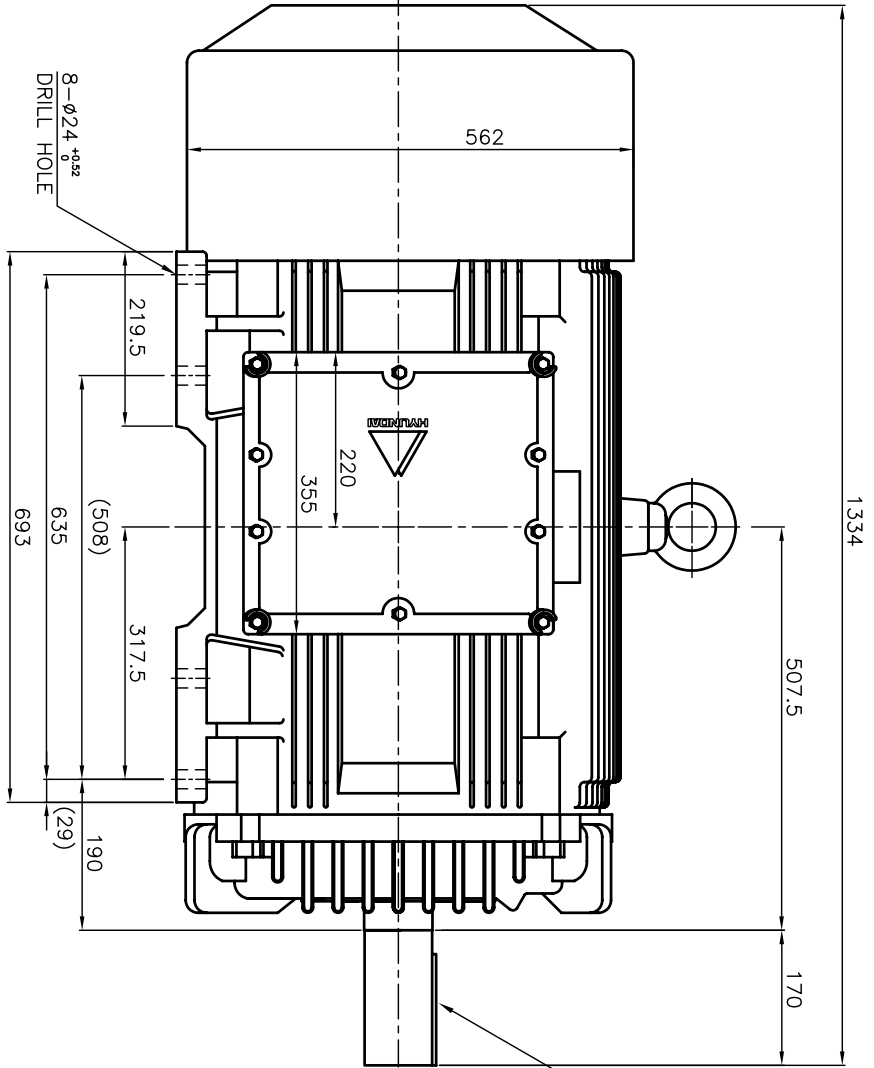
132 kW	6 P	60 Hz	
Speed at Full Load :		1185 RPM	
Rated Voltage	440V	380V	220V
Full Load Current	209.6A	242.7A	419.1A

SPEED VS TORQUE & CURRENT CURVE

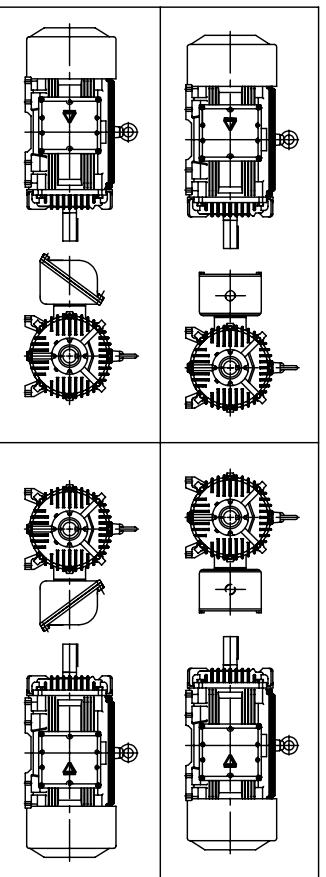


OUTPUT VS EFF., P.F & CURRENT CURVE

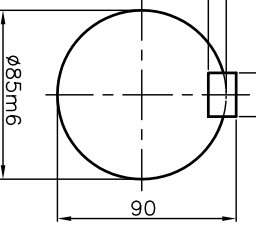




* TERMINAL BOX LOCATION



VIEW "A"



SCALE 2.5/1

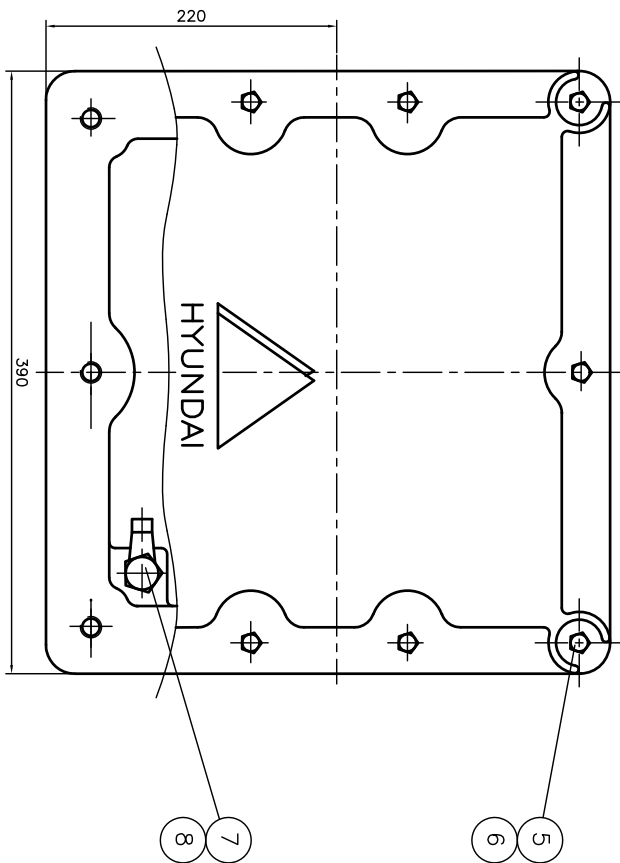
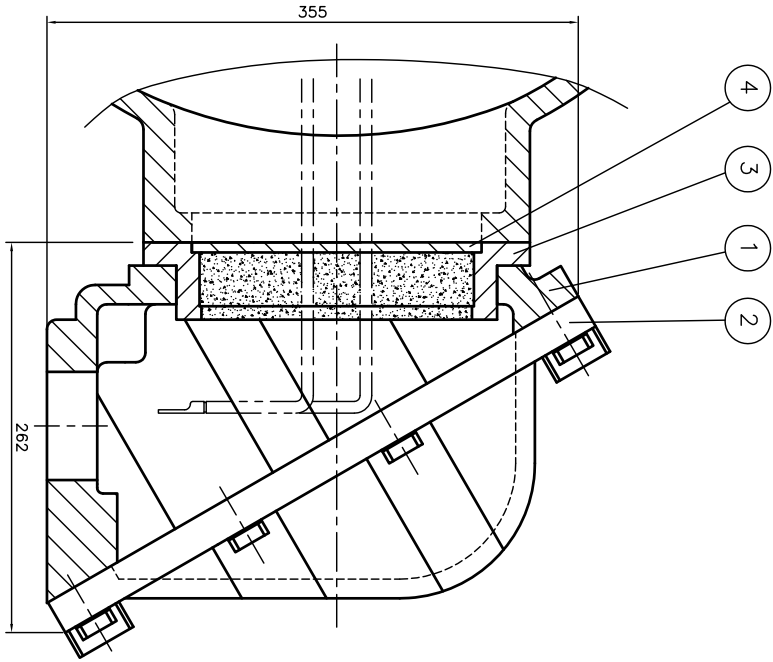
(EXPLOSION CONSTRUCTION & IGNITION GROUP)

EX d II B T4

▽	50S
▽▽	12.5S
▽▽▽	3.2S
▽▽▽▽	0.4S

REV	DATE	CONTENTS	REV'D BY	CHK'D BY	CHK'D BY	APP'D BY
1						
2						
3						
4						
5						

Q'TY	DESCRIPTION	MATERIAL	DIMENSION	WEIGHT	PART NO.	REMARK	NO.
APP'D BY	강경중		UNIT	MM			
CHK'D BY	김옥진		SCALE	1/7			
CHK'D BY	김홍선		PROJEC'N	3rd Angle			
DSND BY	김형규		DATE	2005.06.07			
TITLE		SUBJECT		REF. NO.		SHEET NO. OF	
OUTLINE DIMENSION		KS FR.280LL, PTYPE, EP		GJ8XAP-02		Revision No.	
		THREE-PHASE INDUCTION MOTOR				Sheet No. of	



QTY	DESCRIPTION	MATERIAL	DIMENSION	WEIGHT	PART NO.	REMARK	NO.
1	HEX. BOLT	BRONZE	M10				8
1	EARTH TERMINAL LUG	STD					7
10	SPRING WASHER	SUP-3					6
10	HEX. BOLT	S45C	M12				5
1	GUIDE PLATE	E.C.P					4
1	ADAPTER	FC25					3
1	TERMINAL BOX COVER	FC25					2
1	TERMINAL BOX BODY	FC25					1

APRD BY	UNIT	MM	SUBJECT	H/LAB FR:250,280 (2/2/4)	G.D. PROJ. & FILE #
Q.P. CHK	SCALE	NONE	TITLE		F-300-4 \ 300007
CHGD BY	PROJECN	3.24(3rd Angle)			
DSND BY	KIM JONG SEON	DATE	98.10.30		



REF. NO		SHEET NO.	
DWG NO	3M-036962	of	
		Revision No.	

REV	DATE	CONTENTS	REQD BY	CHKD BY	APRD BY
1					
2					
3					
4					